

ABSTRACT

A filling device for filling conductive balls, after setting a mask on a substrate, in a plurality of apertures in the mask for disposing conductive balls on the substrate. The filling device includes a head having a structure for gathering conductive balls toward an area that is part of a surface of the mask from around the area, a head supporting device for supporting the head so as to move along the surface of the mask, and a ball supplying device for supplying conductive balls to the area, the ball supplying device being mounted on the head supporting device and moving with the head.